ledix

Surface mounting power supply 12 V DC / 8 W

ZNN-08-12

IP56 IP protection level: protection against dust and strong jets of water - it is required to carry out an IP connection with a degree not less than IP56

Outdoor mounting

Surface mounting

12V 12 V DC output voltage

ZNN-08-12 power supply is a professional impulse power supply with 12 V DC voltage stabilizer. It is designed for surface mounting. The nominal power output is 8 W. The power supply is recommended to supply the devices belonging to the LEDIX group (controllers, radio receivers) and other LED diode products supplied with 12 V DC. The product has a short-circuit and overload protections, which increase the safety of its use. Its high efficiency and a very low power consumption in the standby mode, makes it a very economical solution, designed for continuous operation. The power supply meets the requirements of the harmonized standards.

Characteristic features:

- 12 V DC nominal output voltage, 8 W nominal power,
- low power consumption in the standby mode (0,25 W),
- efficiency at the level of 79%,
- high stability of the output voltage with input voltage or load changes,
- protections: short-circuit, overload,
- wide ambient temperature range: -10 ÷ +50 °C,
- long-term operation reliability,
- output connecting cables 150 mm long.

The power supply cooperates with:

- LED standard products supplied with 12 V DC,
- LED controllers and radio receivers supplied with 10÷14 V DC.

CAUTION: The total power of lighting fittings or of the devices cooperating with the power supply must not exceed 8 W.

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230 V AC / 8 W IP56

weight: 105 g

PN-EN 61204-3; PN-EN 55022; PN-EN 61000

The symbol means selective collecting of electrical and electronic equipment. It is forbidden to put the used equipment together with other waste.

Declaration of Conformity is on **www.ledix.pl**

ZNN-08-12 ENG Ver. 01

230 V AC

IP56

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Surface mounting power supply

12 V DC 8 W

ZNN-08-12

www.ledix.pl

DESCRIPTION

ZNN-08-12 power supply for surface mounting is a professional impulse power supply with 12 V DC voltage stabilizer. It is designed for surface mounting. The nominal power output is 8 W. The power supply is recommended to supply the devices belonging to the LEDIX group (controllers, radio receivers) and other LED diode products supplied with 12 V DC. The product has a short-circuit and overload protections, which increase the safety of its use. Its high efficiency and a very low power consumption in the standby mode, makes it a very economical solution, designed for continuous operation. The power supply meets the requirements of the harmonized standards. Features:

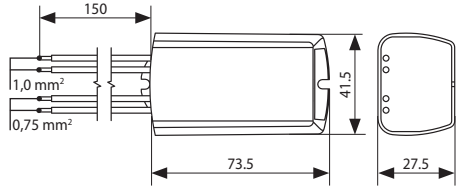
- 12 V DC nominal output voltage, 8 W nominal power,
- low power consumption in the standby mode (0,25 W),
- efficiency at the level of 79%,
- high stability of the output voltage with input voltage or load changes,
- protections: short-circuit, overload,
- wide ambient temperature range: -10 ÷ +50 °C,
- long-term operation reliability,
- output connecting cables 150 mm long.

TECHNICAL DATA

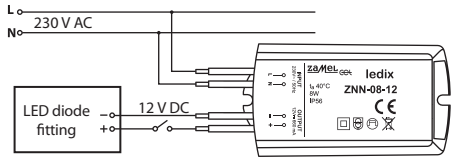
Nominal output voltage:	12 V DC
Nominal output current:	0,66 A
Nominal output power:	8 W
Output voltage tolerance:	5%
Output voltage ripples:	80 mV_{PP}
Output voltage time increase:	10 ms
Output voltage time adjustment:	20 ms
Nominal input voltage:	230 V AC
Input voltage tolerance:	-10 ÷ 15%
Nominal frequency:	50 Hz
Efficiency:	79 ÷ 80%
Power consumption (standby):	0,25 W
Starting current:	20 A
Protections:	short-circuit, overload
Ambient temperature range:	-10 ÷ +50 °C
Mounting:	surface
Casing protection degree:	IP56*
Protection class:	II
Dimensions:	41,5 x 73,5 x 27,5 mm
Weight:	105 g
Reference standard:	PN-EN 61204-3; PN-EN 55022; PN-EN 61000

* refers to the fitting - in order to keep the protection degree it is required to carry out an IP connection with a degree of not less than IP56

DIMENSIONS



DIAGRAM



MOUNTING

CAUTION ! The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions.

1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch- disconnector combined to the proper circuit.
2. Check if there is no voltage on connection cables by means of a special measure equipment.
3. Connect the output cables in accordance with the connection diagram.
4. Mount the ZNN-08-12 device in a proper place.
5. Switch on the power supply from the mains.

- **The power supply should be installed in a place that allows good heat release.**
- **When connecting fittings or devices to ZNN-08-12 power supply pay attention to a correct polarity of the output cables.**
- **Total power capacity can not exceed the nominal power of the power supply.**